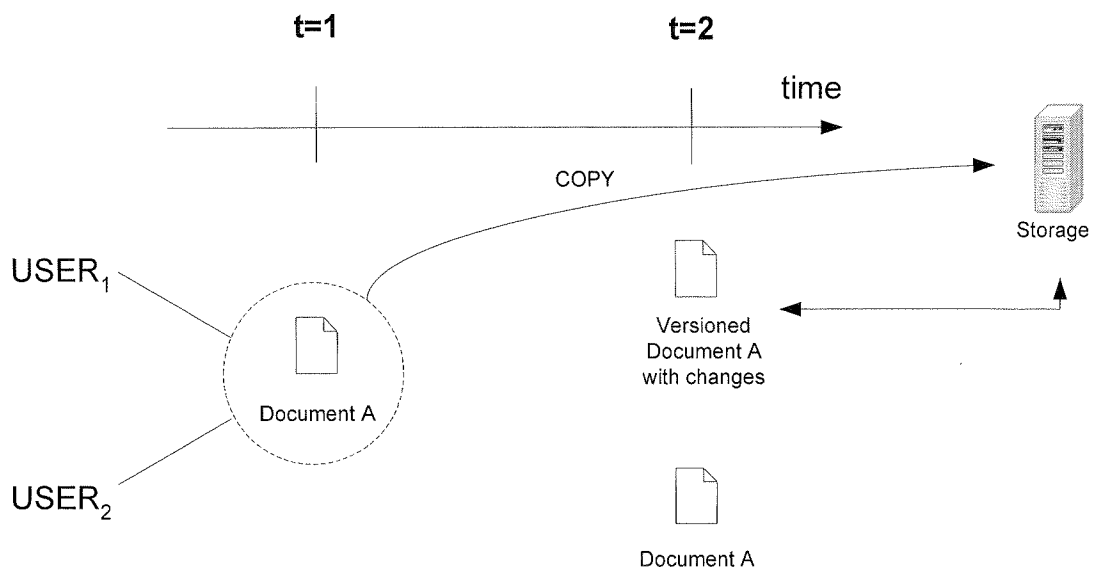
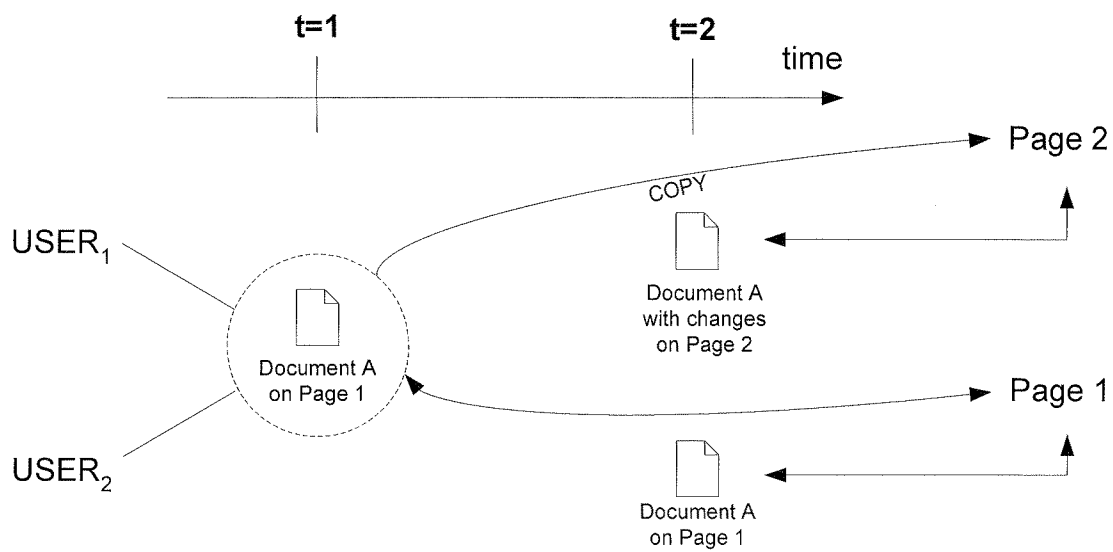


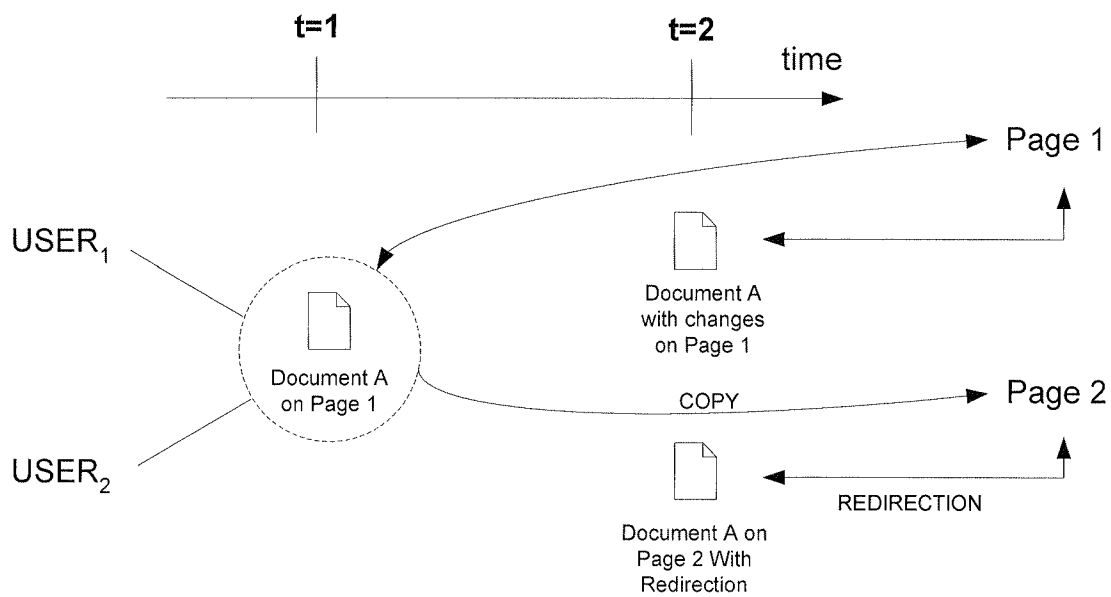
**FIGURE 1  
(PRIOR ART)**



**FIGURE 2  
(PRIOR ART)**



**FIGURE 3a**  
**(PRIOR ART)**



**FIGURE 3b**  
**(PRIOR ART)**

Node Range	RID	LSN	
1 -> 10	RID1	1	
1 -> 10 5	RID1	5	(1.1) to 2.1
22 -> 23 22	RID3	8	(2.1) to 2.2
1 -> 10 8	RID1	10	(3.1) to 3.2
1 -> 4	RID2	20	Split R1 (4.1) to 4.3
5 -> 10	RID1		
1 -> 3	RID3	30	Split R2 (5.1) to 5.3
4 -> 4	RID2		
5 -> 10	RID1		
1 -> 4	RID2	40	Merge R3, R2 (6.1) to 6.4
5 -> 10	RID1		
1 -> 10	RID1	50	Merge R2, R1 (7.1) to 7.4

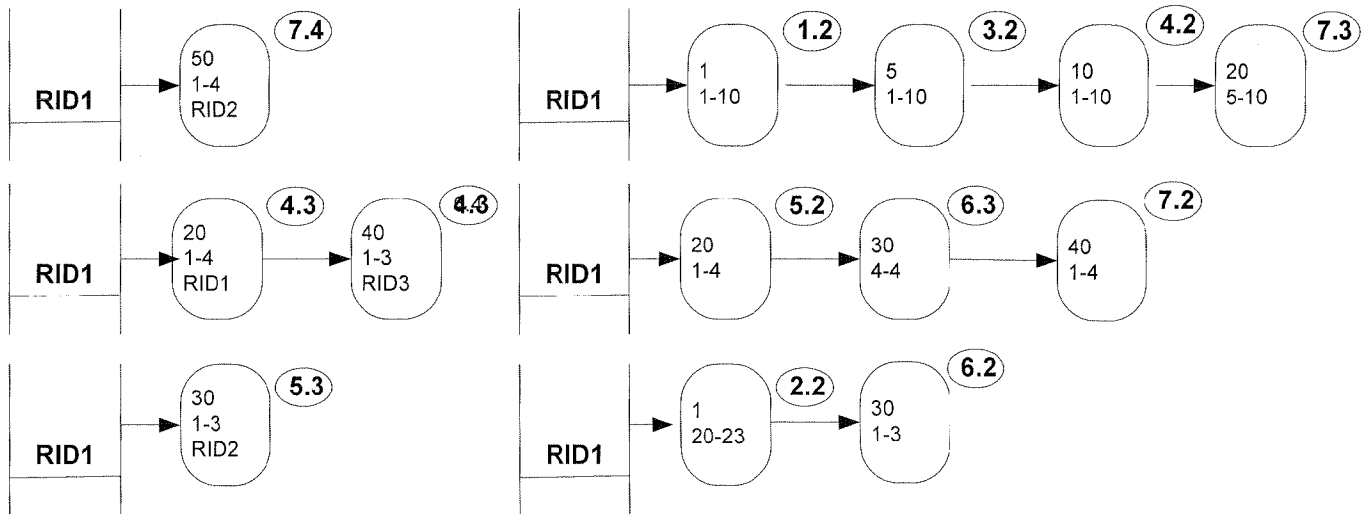


FIGURE 4

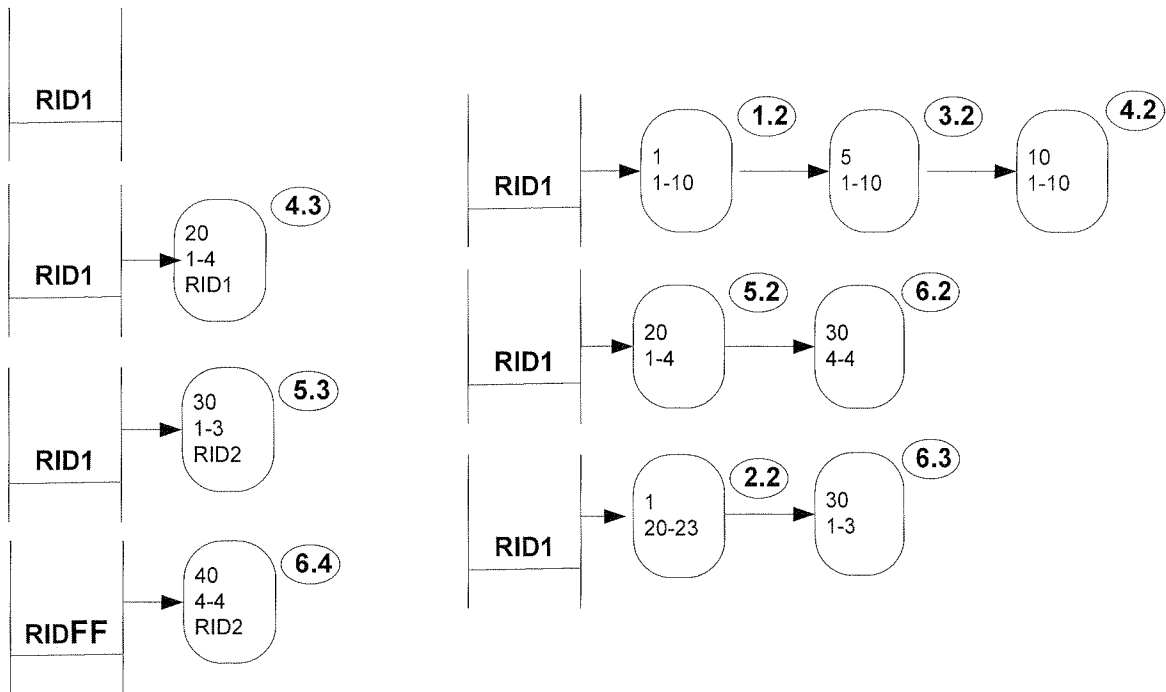
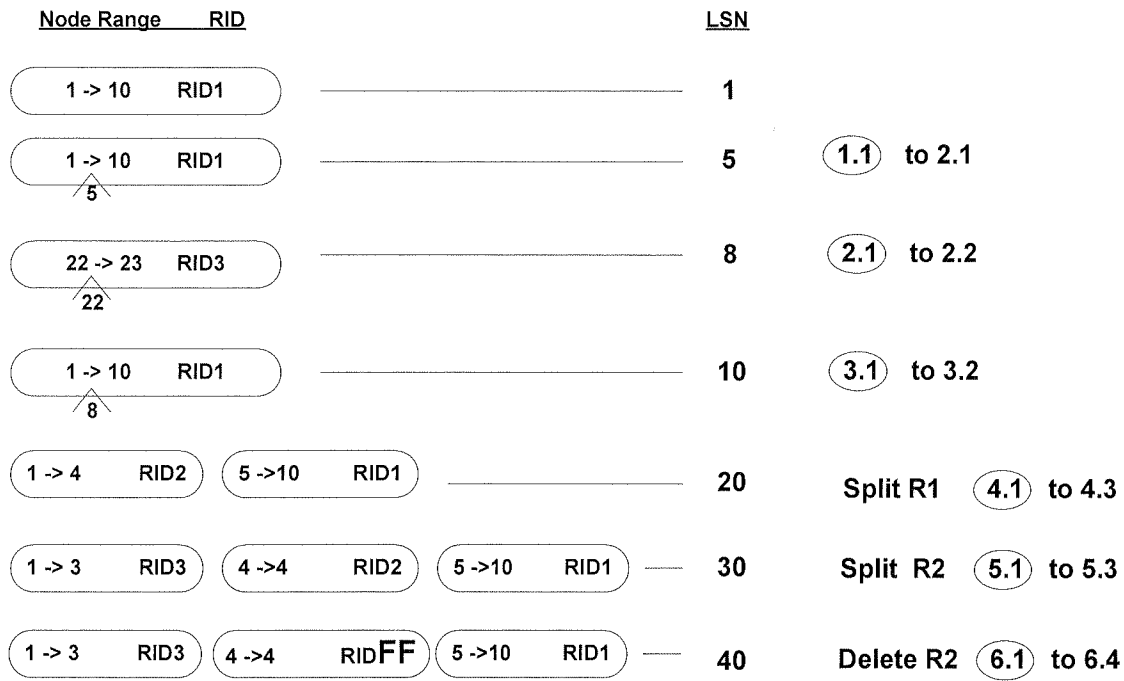


FIGURE 5